

Title (en)
PROCESS FOR THE PREPARATION OF POLYUNSATURATED CYCLIC COMPOUNDS

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EP 0381964 B1 19930317 (FR)

Application
EP 90100997 A 19900118

Priority
CH 44289 A 19890209

Abstract (en)
[origin: US4967033A] The polyunsaturated compounds of formula <IMAGE> (I) having two conjugated double bonds in the endo- and exo- positions of the pentagonal cycle indicated by the dotted lines, and wherein symbols R1 and R2, when taken separately, represent respectively a. a linear or brached C1 to C4 alkyl radical and b. an hydrogen atom or a methyl radical, or, when taken together with the carbon atoms to which they are bonded form a polymethylenic cycle such as indicated by the dotted line, containing from 5 to 12 carbon atoms, and symbol R3 stands for an hydrogen atom or a methyl radical, n being an integer equal to 0 or 1, which are useful intermediate products for the preparation of odoriferous macrocyclic ketones, are prepared according to a process comprising a vapor phase cyclization of an enone of formula <IMAGE> (II) wherein the dotted line and the symbols n, R1, R2 and R3 are defined as above, effected by means of a thermal treatment of said enone in the presence of a cyclization catalyst consisting of an aluminum, silicium, titanium or zirconium oxide.

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Cited by
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